

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051222\
 Data File : VN072442.D
 Acq On : 12 May 2022 10:24
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/13/2022
 Supervised By : Mahesh Dadoda 05/13/2022

Quant Time: May 13 02:39:48 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051022W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 10 15:43:28 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.081	168	194275	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.963	114	302837	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	279361	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	127650	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	149663	50.296	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 100.600%			
35) Dibromofluoromethane	8.016	113	107080	53.148	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 106.300%			
50) Toluene-d8	10.433	98	390407	50.879	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 101.760%			
62) 4-Bromofluorobenzene	12.727	95	141640	55.582	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 111.160%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.069	85	116631	48.136	ug/l	99
3) Chloromethane	2.299	50	98771	43.382	ug/l	96
4) Vinyl Chloride	2.446	62	88634	42.962	ug/l	98
5) Bromomethane	2.828	94	54776	44.595	ug/l	96
6) Chloroethane	3.004	64	53876	49.843	ug/l	99
7) Trichlorofluoromethane	3.369	101	193103	50.501	ug/l	98
8) Diethyl Ether	3.828	74	61425	44.529	ug/l	90
9) 1,1,2-Trichlorotrifluo...	4.204	101	96728	46.360	ug/l	96
10) Methyl Iodide	4.416	142	129364	46.772	ug/l	# 86
11) Tert butyl alcohol	5.363	59	102681	211.036	ug/l	98
12) 1,1-Dichloroethene	4.181	96	86395	44.192	ug/l	89
13) Acrolein	4.040	56	95511	200.635	ug/l	97
14) Allyl chloride	4.840	41	160233	44.021	ug/l	91
15) Acrylonitrile	5.545	53	281674	213.043	ug/l	99
16) Acetone	4.281	43	267990	227.408	ug/l	94
17) Carbon Disulfide	4.528	76	222607	43.905	ug/l	99
18) Methyl Acetate	4.851	43	144409	41.620	ug/l	95
19) Methyl tert-butyl Ether	5.610	73	348768	49.366	ug/l	97
20) Methylene Chloride	5.092	84	100302	41.511	ug/l	92
21) trans-1,2-Dichloroethene	5.592	96	92917	45.428	ug/l	91
22) Diisopropyl ether	6.492	45	326963	44.206	ug/l	97
23) Vinyl Acetate	6.428	43	1420882	229.588	ug/l	97
24) 1,1-Dichloroethane	6.381	63	191100	45.785	ug/l	98
25) 2-Butanone	7.328	43	388659	208.968	ug/l	93
26) 2,2-Dichloropropane	7.322	77	180858	51.564	ug/l	95
27) cis-1,2-Dichloroethene	7.322	96	113886	46.315	ug/l	93
28) Bromochloromethane	7.651	49	83030	46.851	ug/l	93
29) Tetrahydrofuran	7.681	42	253838	209.998	ug/l	92
30) Chloroform	7.816	83	209379	49.309	ug/l	99
31) Cyclohexane	8.092	56	162772	41.282	ug/l	93
32) 1,1,1-Trichloroethane	8.010	97	198420	50.946	ug/l	98
36) 1,1-Dichloropropene	8.216	75	144140	49.811	ug/l	98
37) Ethyl Acetate	7.404	43	155264	44.720	ug/l	98
38) Carbon Tetrachloride	8.198	117	176215	54.409	ug/l	99
39) Methylcyclohexane	9.457	83	172366	52.999	ug/l	94
40) Benzene	8.457	78	412949	47.769	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.633	41	76572	44.541	ug/l	92
42) 1,2-Dichloroethane	8.528	62	181384	52.204	ug/l	95
43) Isopropyl Acetate	8.551	43	249201	46.729	ug/l	96
44) Trichloroethene	9.210	130	108572	49.475	ug/l	97
45) 1,2-Dichloropropane	9.486	63	105750	47.901	ug/l	96
46) Dibromomethane	9.575	93	76924	50.042	ug/l	95
47) Bromodichloromethane	9.757	83	164781	52.582	ug/l	100
48) Methyl methacrylate	9.557	41	128195	51.523	ug/l	88
49) 1,4-Dioxane	9.569	88	43496	1024.808	ug/l #	93
51) 4-Methyl-2-Pentanone	10.327	43	796561	240.548	ug/l	93
52) Toluene	10.504	92	271972	51.023	ug/l	99
53) t-1,3-Dichloropropene	10.716	75	172534	54.088	ug/l	99
54) cis-1,3-Dichloropropene	10.186	75	181588	53.356	ug/l	92
55) 1,1,2-Trichloroethane	10.892	97	106987	48.179	ug/l	99
56) Ethyl methacrylate	10.757	69	172488	54.198	ug/l #	88
57) 1,3-Dichloropropane	11.039	76	188896	49.955	ug/l	97
58) 2-Chloroethyl Vinyl ether	10.033	63	251009	288.862	ug/l	97
59) 2-Hexanone	11.080	43	566959	244.176	ug/l	91
60) Dibromochloromethane	11.233	129	128871	54.632	ug/l	99
61) 1,2-Dibromoethane	11.339	107	111924	50.575	ug/l	99
64) Tetrachloroethene	10.974	164	103465	51.454	ug/l	97
65) Chlorobenzene	11.763	112	291332	51.043	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.833	131	118972	52.078	ug/l	97
67) Ethyl Benzene	11.839	91	538913	54.725	ug/l	100
68) m/p-Xylenes	11.951	106	407997	109.238	ug/l	91
69) o-Xylene	12.274	106	200611	54.667	ug/l	95
70) Styrene	12.292	104	324909	57.875	ug/l	96
71) Bromoform	12.457	173	92786	55.060	ug/l #	99
73) Isopropylbenzene	12.574	105	539251	50.994	ug/l	98
74) N-amyl acetate	12.380	43	174705	46.739	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.821	83	158584	41.307	ug/l	98
76) 1,2,3-Trichloropropane	12.874	75	142768m	42.881	ug/l	
77) Bromobenzene	12.857	156	122487	48.414	ug/l	96
78) n-propylbenzene	12.915	91	604823	53.449	ug/l	98
79) 2-Chlorotoluene	13.004	91	370839	49.885	ug/l	97
80) 1,3,5-Trimethylbenzene	13.057	105	460010	53.114	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.621	75	48918	49.016	ug/l	90
82) 4-Chlorotoluene	13.098	91	358537	50.892	ug/l	97
83) tert-Butylbenzene	13.315	119	405826	53.525	ug/l	95
84) 1,2,4-Trimethylbenzene	13.363	105	450642	53.488	ug/l	96
85) sec-Butylbenzene	13.498	105	546131	54.010	ug/l	99
86) p-Isopropyltoluene	13.610	119	457066	58.029	ug/l	97
87) 1,3-Dichlorobenzene	13.610	146	222119	50.907	ug/l	99
88) 1,4-Dichlorobenzene	13.686	146	216427	49.860	ug/l	98
89) n-Butylbenzene	13.939	91	340192	56.502	ug/l	98
90) Hexachloroethane	14.204	117	81236	51.612	ug/l	91
91) 1,2-Dichlorobenzene	13.980	146	220400	50.576	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.598	75	33547	50.251	ug/l	90
93) 1,2,4-Trichlorobenzene	15.257	180	96434	58.418	ug/l	95
94) Hexachlorobutadiene	15.362	225	59513	54.450	ug/l	98
95) Naphthalene	15.498	128	275027	45.392	ug/l	100
96) 1,2,3-Trichlorobenzene	15.692	180	97415	58.886	ug/l	98

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(#) = qualifier out of range (m) = manual integration (+) = signals summed

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